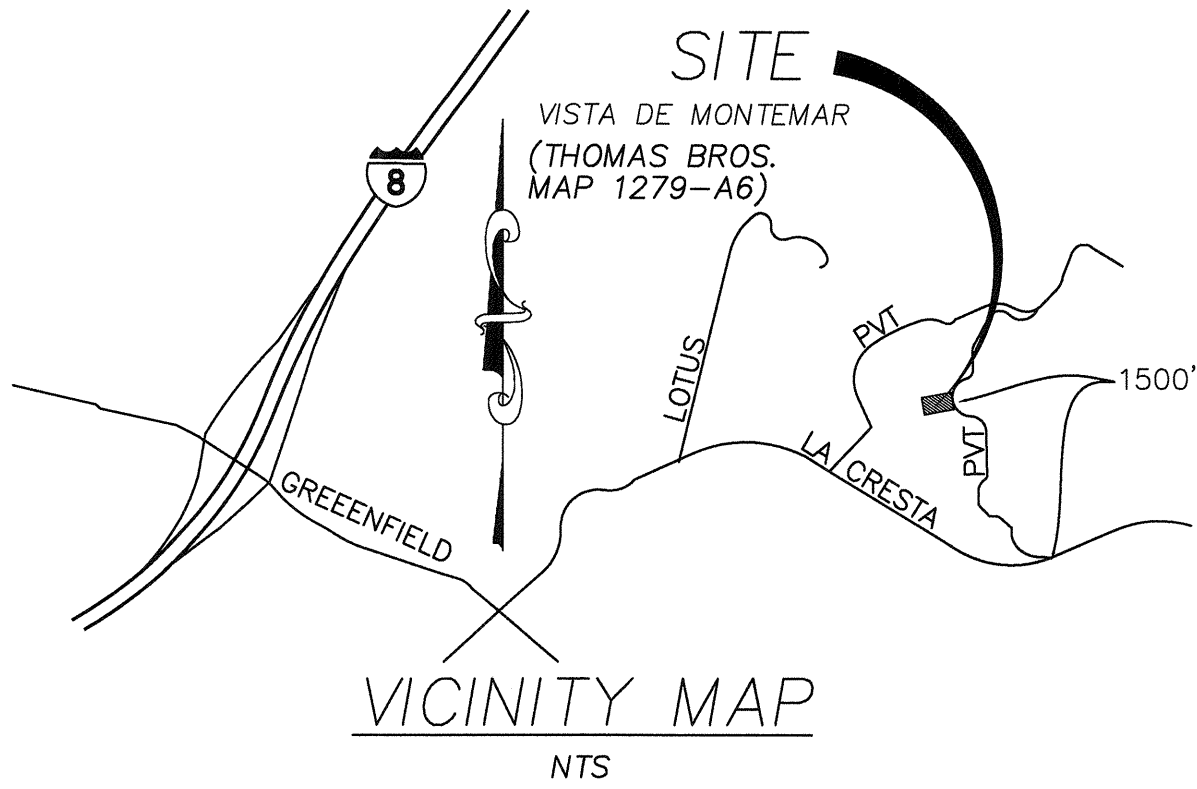


STORMWATER MANAGEMENT NOTES

- DURING THE RAINY SEASON FROM OCTOBER 1ST TO APRIL 30TH THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED WITHIN 48 HOURS OF A PREDICTED RAIN.
- 125% OF ALL NEEDED BMP MATERIALS SHALL BE STORED ONSITE YEAR-ROUND, TO ALLOW FULL DEPLOYMENT AND INSTALLATION WITHIN 48 HOURS OF A PREDICTED RAIN.
- THE PROPERTY OWNER SHALL COMPLY WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMPs THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT ONSITE EROSION AND TO PREVENT DISCHARGES OF POLLUTANTS FROM LEAVING THE SITE. MAINTENANCE OF BMPs IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMPs MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMPs FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE AS SOON AS IT IS SAFE TO DO SO.
- PERIMETER SEDIMENT CONTROL BMPs SHALL BE INSTALLED IMMEDIATELY AFTER THE AREA TO BE GRADED IS BRUSHED OR CLEARED, BUT PRIOR TO THE START OF GRADING OPERATIONS.
- EROSION CONTROL BMPs USED FOR SLOPE STABILIZATION SHALL BE INSTALLED AS SOON AS THE FINISHED SLOPES ARE COMPLETE.
- A PERIMETER BMP INSPECTION IS REQUIRED ON THE FIRST DAY OF GRADING.

LEGEND

EXISTING DESCRIPTION	SYMBOL
PROJECT BOUNDARY	---
1' CONTOUR	---
5' CONTOUR	---
EASEMENT	---
PROPOSED DESCRIPTION	R.S.D./DETAIL
CENTERLINE	---
1' CONTOUR	---
5' CONTOUR	---
PAD ELEVATION	---
PVC STORM DRAIN (SIZE PER PLAN)	---
FILL SLOPE	---
CUT SLOPE	---
CUT/FILL LINE	---
DAYLIGHT LINE	---
LANDSCAPE	---
SIDEWALK	---
EASEMENT	---
AC BERM	G-5 (TYPE A)
PVT RETAINING WALL	(SEPARATE PERMIT)
SILT FENCE	---
FIBER ROLL (WATTLE)	---
GRAVEL BAGS	---
RIP-RAP ENERGY DISSIPATER	D-40
DRAINAGE HEADWALL	D-34
PCC SWALE	D-75
RIP-RAP LINED SWALE	D-40
GRASS-LINED SWALE	A 5
NDS GRATED INLET(OR EQUAL-SIZE PER PLAN)	C.D 3
STABILIZED CONSTRUCTION ENTRANCE	---
MATERIAL DELIVERY AND STORAGE	---
CONCRETE WASTE MANAGEMENT	---
SOLID WASTE MANAGEMENT	---
SANITARY WASTE MANAGEMENT	---
HAZARDOUS WASTE MANAGEMENT	---



SCOBBA CONSULTING
255 G STREET, PMB 722
SAN DIEGO, CA 92101
(619) 379-4227

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED):

DATE:

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:

APN(s): NONE

LINE	LENGTH	BEARING
L26	201.02	N58°12'36"W
L27	273.24	N11°12'31"E
L28	399.96	N58°12'36"W
L29	314.61	N40°20'54"E
L30	30.00	N58°09'35"E
L31	44.99	N31°50'25"W
L32	198.86	N76°00'05"W
L33	67.88	N33°03'05"W
L34	63.48	N48°39'55"W
L35	291.85	N06°18'30"W
L36	259.01	N63°35'46"E
L37	44.46	S09°47'01"E
L38	33.72	S71°43'23"E
L39	213.97	S01°22'29"E
L40	46.78	S29°01'34"W
L41	151.44	S75°41'19"E
L42	105.72	N71°53'02"W
L43	113.63	S68°33'28"E
L44	74.49	S40°03'09"W
L45	48.81	S75°45'06"E
L46	108.26	S05°40'51"W
L47	163.01	S27°59'01"W
L48	239.37	N62°50'52"E
L49	49.09	S44°38'58"W
L50	42.85	N76°47'37"E

CURVE	LENGTH	RADIUS
C20	139.44	177.05
C21	82.46	110.00
C22	54.50	200.00
C23	137.90	400.00
C24	154.90	200.00
C25	194.72	150.00
C26	668.28	770.00
C27	115.03	100.00
C28	162.16	150.00
C29	263.76	150.00
C30	106.12	200.00
C31	45.10	150.00
C32	77.85	200.00
C33	222.33	110.00
C34	119.98	200.00
C35	174.82	125.00
C36	127.22	150.00
C37	110.77	100.00
C38	120.95	200.00

PRIVATE ENGINEER'S NOTICE TO THE CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS, AND IS RESPONSIBLE FOR THE PROTECTION OF AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

CONTRACTOR'S NOTE:

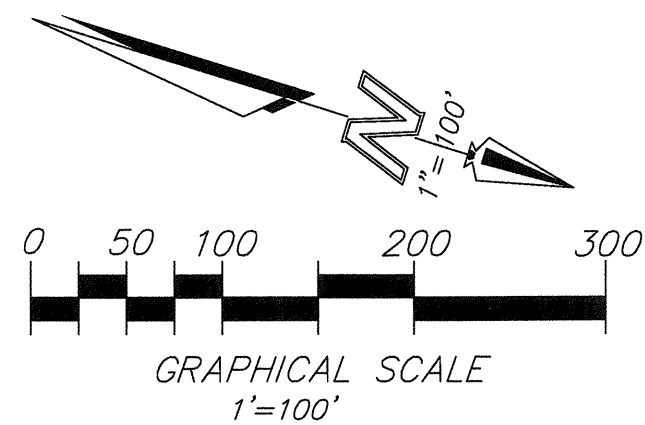
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD COUNTY OF SAN DIEGO HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF COUNTY OF SAN DIEGO PROFESSIONALS.

UNAUTHORIZED CHANGES & USES:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE SIGNED PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. PLANS DESIGNATED AS "FOR REVIEW ONLY", "FOR BID ONLY" OR "NOT FOR CONSTRUCTION" ARE NOT BE USED IN ANY CAPACITY OTHER THAN AS DESIGNATED.

GRADING NOTES (DPLU)

- ALL GRADING SHALL CONFORM TO THE REQUIREMENTS OF THE GRADING ORDINANCE SECTIONS 87.101 THROUGH 87.804 OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES.
- A REGISTERED CIVIL ENGINEER IS REQUIRED TO SUPERVISE INSTALLATION OF THE FILL KEYWAY AND ALL FILL BENCHING AND COMPACTION. A SOILS REPORT WITH COMPACTION TESTS IS REQUIRED FOR ALL FILL THAT IS OVER 12" IN DEPTH. DPLU FORM #73, MINOR GRADING CERTIFICATION, AND THREE (3) COPIES OF THE COMPACTION REPORT COMPLETED BY A SOILS ENGINEER SHALL BE SUBMITTED PRIOR TO ROUGH GRADE APPROVAL.
- ALL FILL MATERIAL SHALL BE COMPACTED TO AT LEAST 90% MAXIMUM DRY DENSITY.
- NATURAL DRAINAGE SHALL NOT BE DIVERTED OR CONCENTRATED ONTO ADJACENT PROPERTY.
- MAINTAIN 1% (MINIMUM) SLOPE AWAY FROM ALL BUILDINGS FOR AT LEAST 5'.
- ALL GRADING DETAILS SHALL BE IN CONFORMANCE WITH THE FOLLOWING SAN DIEGO COUNTY DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS:
 - A. DS-8 LOT GRADING
 - B. DS-10 GRADING OF SLOPES
 - C. DS-11 REQUIRED SETBACKS
 - D. D-40 RIP RAP ENERGY DISSIPATOR
 - E. D-75 DRAINAGE DITCHES
- BERMS SHALL BE REQUIRED AT THE TOP OF ALL FILL SLOPES AND SWALES OR BROW DITCHES SHALL BE REQUIRED AT THE TOP OF ALL CUT SLOPES. ALL BERMS, SWALES OR BROW DITCHES SHALL CONFORM TO THE DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS LISTED ABOVE.
- REGARDLESS OF WHICH BMP'S ARE IMPLEMENTED THE FACE OF ALL CUT AND FILL SLOPES IN EXCESS OF 3' VERTICAL HEIGHT SHALL BE PLANTED AND MAINTAINED WITH A GROUND COVER OR OTHER PLANTING TO PROTECT THE SLOPES AGAINST EROSION AND INSTABILITY. PLANTING SHALL COMMENCE AS SOON AS SLOPES ARE COMPLETED. ALL PLANTING MUST HAVE A PERMANENTLY INSTALLED IRRIGATION SYSTEM
- REQUIRED SLOPE RATIOS ARE AS FOLLOWS:
 - A. CUTS - 1.5:1 FOR MINOR SLOPES (UP TO 15' VERTICAL HEIGHT)
 - B. CUTS - 2:1 FOR MAJOR SLOPES (OVER 15' VERTICAL HEIGHT)
 - C. FILLS - 2:1 (MAXIMUM) FOR ALL FILL SLOPES
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE OWNER AND PERMITEE ARE RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTIES. NO PERSON SHALL EXCAVATE SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET OR SIDEWALK, OR THE FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY.
- THE DIRECTOR OF PLANNING AND LAND USE MAY IMPOSE CONDITIONS THAT ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. THE DIRECTOR MAY ALSO MODIFY OR ADD CONDITIONS TO ANY VALID GRADING PERMIT WHEN SUCH MODIFICATIONS OR ADDITIONS ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. SUCH CONDITIONS MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - A. IMPROVEMENT OF EXISTING GRADING TO CONFORM WITH THE GRADING ORDINANCE, AND;
 - B. REQUIREMENTS FOR FENCING OF EXCAVATIONS OR FILLS THAT WOULD OTHERWISE BE HAZARDOUS, AND;
 - C. ADEQUATE DUST CONTROL MEASURES.
- ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT OR ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00AM AND 6:00PM MONDAY THROUGH SATURDAY. NO EARTH MOVING OR GRADING SHALL BE CONDUCTED ON SUNDAYS OR HOLIDAYS.
- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE PROVIDED TO THE FOLLOWING AGENCIES:
 - A. SAN DIEGO GAS AND ELECTRIC (800) 422-4133
 - B. PACIFIC BELL (800) 422-4133
 - C. CATV (800) 422-4133
 - D. WATER UTILITY (800) 422-4133
 - E. SEWER UTILITY (800) 422-4133
- APPROVAL OF THESE PLANS BY THE DIRECTOR OF PLANNING AND LAND USE DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION IS OBTAINED, RIGHT TO ENTRY FORM COMPLETED AND VALID GRADING PERMIT ISSUED.
- THE ISSUANCE OF A GRADING PERMIT SHALL CONSTITUTE AN AUTHORIZATION TO PERFORM ONLY THAT WORK WHICH IS DESCRIBED OR SHOWN ON THE GRADING PERMIT APPLICATION AND APPROVED GRADING PLANS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANY CONDITIONS IMPOSED BY THE DIRECTOR OF PLANNING AND LAND USE AND IN ACCORDANCE WITH THE GRADING ORDINANCE.
- EARTHWORK QUANTITIES:
 - EXCAVATION: 1447 CUBIC YARDS
 - FILL: 1249 CUBIC YARDS
 - IMPORT: 0 CUBIC YARDS
 - EXPORT: 198 CUBIC YARDS



DISTURBED AREA CALCS

PAD + SLOPES: 26600	SF
DRIVEWAY: 21800	SF
PRIMARY SEPTIC: 400 SF LEACH FIELD	SF
FIRE CLEARING: N/A-2004 BURN AREA	SF
TOTAL: 48800	SF
IF ≥ 1 AC, PROVIDE WID# : PENDING	

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:	
PARCEL MAP NUMBER:	
ENGINEER OF WORK	
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.	
NAME:	DATE:
RCE NO: 61833	EXPIRES: 6/30/07

PRIVATE CONTRACT

COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE	
MINOR GRADING PLAN FOR: TOTTEN RESIDENCE	
SHEET: 1	OF SHEETS: 5
APPROVED DIRECTOR OF PLANNING AND LAND USE	GRADING PERMIT NUMBER:
BY:	DATE: